AMENDMENTS TO THE CLAIMS

The listing below of the claims will replace all prior versions and listings of claims in the present application:

Listing of Claims:

Claims 1 through 7 (canceled)

Claim 8 (currently amended): Apparatus for regulating the transmission ratio of a continuously variable transmission for motor vehicles, ~~to take into account changes in transmission operation over time, including changes caused by wear of transmission parts,~~ said apparatus comprising:

a. sensors for detecting transmission operating parameters;

b. an electronic control unit including a microprocessor and at least one memory in which operating parameters associated with reference transmission ratios are stored, wherein the electronic control unit further includes a preliminary control device in which a preliminary control value is determined as a function of at least one of the transmission operating parameters , wherein the preliminary control value is stored in the preliminary control device as a function of at least two transmission operating parameters;

c. a comparator for comparing a measured transmission ratio of the transmission with a reference transmission ratio and for deriving therefrom an adjustment value;

d. an adjusting device that receives the preliminary control value and the adjustment value ~~as~~ to provide a set point value in order to adjust the measured transmission ratio, ~~; e. wherein the preliminary control value is stored in the preliminary control device as a function of at least two transmission~~

~~operating parameters and in that an adjustment system is provided which~~ wherein the adjusting device adjusts the preliminary control value so that the measured transmission ratio coincides with the reference transmission ratio when the adjustment value is at least approximately zero, to account for changes in transmission operation over time caused by wear of transmission parts.

Claim 9 (previously presented): Apparatus in accordance with claim 8, including a diagnostic device for triggering predetermined monitoring functions based upon changes in the preliminary control value.

Claim 10 (previously presented): Apparatus in accordance with claim 9, wherein the diagnostic device detects changes in the transmission ratio of the transmission as a function of changes in the set point value, and wherein the diagnostic device triggers predetermined monitoring functions in relation to said changes.

Claim 11 (new): Apparatus in accordance with claim 8, wherein the continuously variable transmission includes pairs of coaxial conical disks that have an adjustable axial spacing to allow changes in transmission ratio.

Claim 12 (new): Apparatus in accordance with claim 8, including a torque sensor operatively positioned between an engine output shaft and a transmission input shaft for determining torque input to the transmission as a transmission operating parameter.